



**LIMPOPO**  
PROVINCIAL GOVERNMENT  
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF  
**EDUCATION**

**VHEMBE WEST DISTRICT**

**GRADE 9**

**SOCIAL SCIENCES: GEOGRAPHY PAPER 1**

**TERM 3 TEST**

**SEPTEMBER 2024**

**MARKS: 50**

**DURATION: 1 HR 30**

This question paper consist of 8 pages including the cover page.

**INSTRUCTIONS AND INFORMATION**



1. Answer ALL FOUR questions.
2. Leave a line between the subsections of question answered.
3. Start EACH question at the top of a NEW page.
4. Number the answers correctly according to the numbering system used in the question paper.
5. Write neatly and legibly.



### QUESTION 1: SURFACE FORCES THAT SHAPE THE EARTH

Match a concept from Column B that matches the statements in COLUMN A. Write only the letter (A - H) next to the question numbers (1.1 to 1.7) in the answer book, e.g. 1.8 I

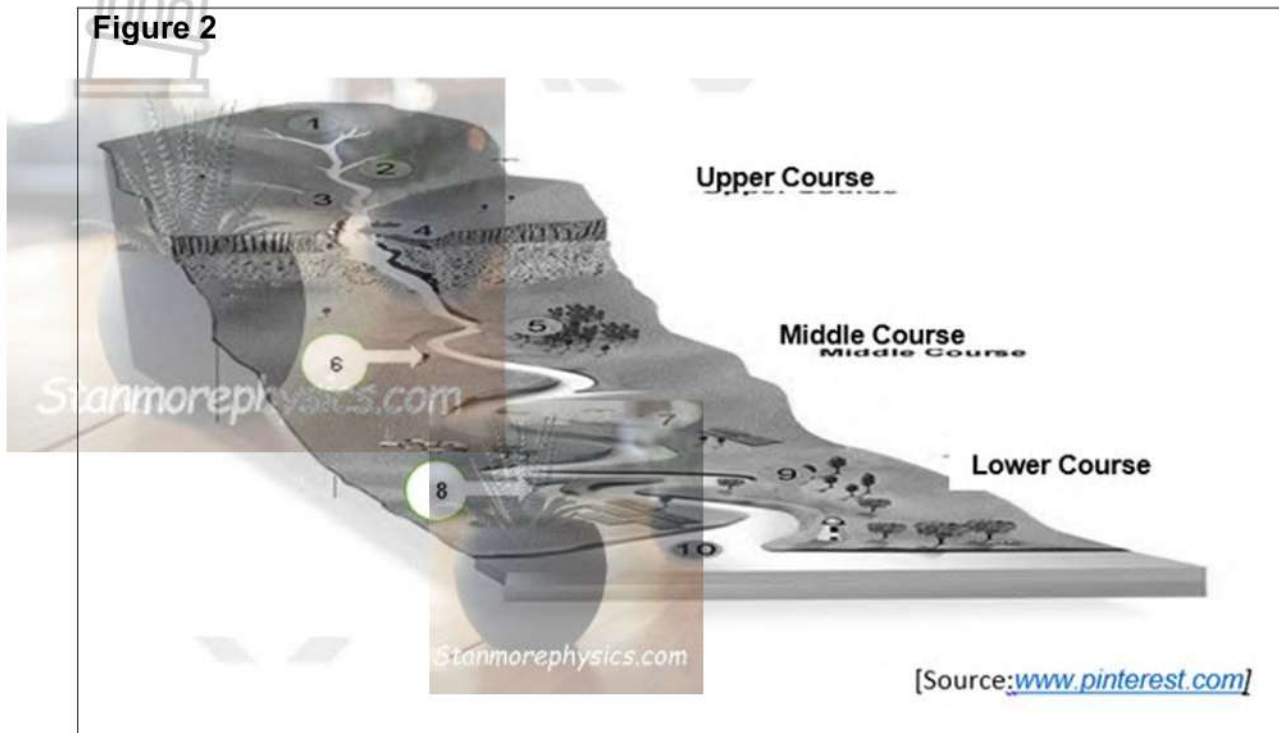
COLUMN A	COLUMN B
1.1 Break-up of rocks by the action of plants and animals.	A. Chemical weathering
1.2 Weathered materials that are collected at the base of a slope.	B. Freeze thaw
1.3 Chemical change and breakdown of rock materials in the presence of water.	C. Oxidation
1.4 Ice expand and when melted it contracts.	D. Biological weathering
1.5 Rocks that allow substances such as liquids and gases to pass through them.	E. Scree
1.6 A process whereby hard rock expand during hot days and contract during cold nights to eventually split in layer like onion.	F. Humus
1.7 A chemical process whereby iron minerals in rock react with oxygen to produce iron oxide or reddish colour on the surface of the rock.	G. Exfoliation
	H. Permeable rocks

(7 x 1) (7)

**QUESTION 2: FEATURES OF EROSION AND DEPOSITION ALONG A RIVER VALLEY.**

Carefully study the diagram below on Feature of erosion and deposition along a river valley and answer the question that follows.

**Figure 2**



- 2.1 In which river course are the canyons found?
- A. Upper course
  - B. Middle course
  - C. Lower course
  - D. Upper and middle course
- 2.2 In which course of the river is the oxbow lake found?
- A. Middle course
  - B. Upper course
  - C. Lower course
  - D. Upper and middle course

2.3 At which course of the river is deposition most likely to take place?

- A. Lower course
- B. Middle course
- C. Upper course
- D. Upper and lower course

2.4 Identify the feature marked 6

- A. Canyon
- B. Meander.
- C. Rapid
- D. Delta



2.5 Identify the feature marked 8.

- A. Oxbow lake
- B. Gorge
- C. Meander neck
- D. Tributary

2.6 What kind of erosion take place in the upper course of a river?

- A. Gully erosion
- B. Vertical erosion
- C. Lateral erosion
- D. Splash erosion

2.7 What is the main reason for the formation of water fall?

- A. It rains a lot and therefore the water has a lot of velocity.
- B. The water cascade over a layer of hard rock and erode a layer of softer rock underneath.
- C. The river is finding the easiest route to the sea, eroding through the soft rock.
- D. Erosion is the greater on the outside of the meander bend

2.8 Describe how feature marked 8 is formed.

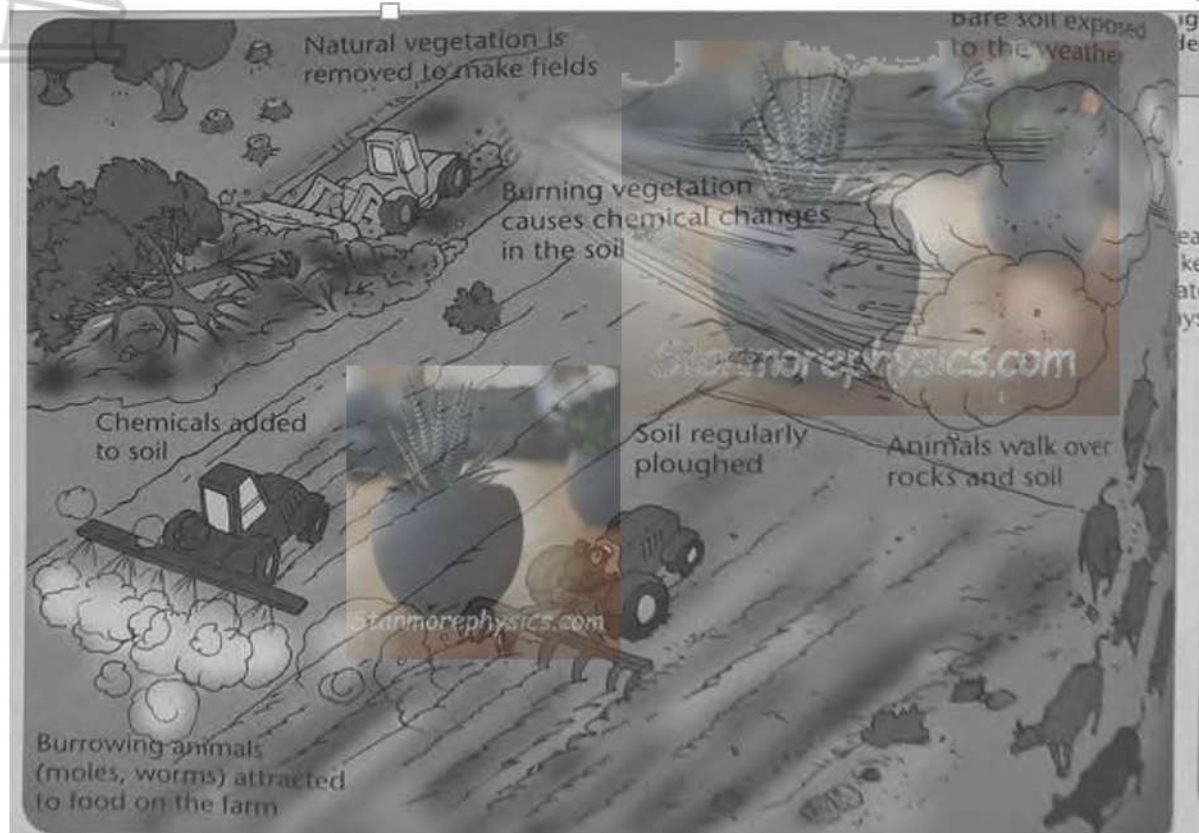
- A. The river flows faster on the outside of the bend and causes deposition.
- B. Erosion broadens the meander neck to form a new channel.
- C. Deposition from the river form a new meander.
- D. Erosion cut through the meander neck to form a new channel.

(8 x 1) (8)

**QUESTION 3: THE IMPACT OF HUMAN ACTIVITIES ON WEATHERING**

Refer to the photograph below and answer the questions that follow.

The diagram shows how farming speeds up different kinds of farming.



*Solution for all Social Sciences grade 9 page 60*

- 3.1 Define the concept weathering. 1x1 (1)
- 3.2 Give TWO examples of ways in which human activities speeds up weathering. 2x2 (4)
- 3.3 Identify TWO biological weathering processes in the diagram. 2x2 (4)
- 3.4 Identify TWO other kinds of weathering in the diagram. 2x2 (4)
- 3.5 Explain how those kinds of weathering in QUESTION 3.4 could affect the environment. 2x2 (4)

#### QUESTION 4: THE IMPACT OF PEOPLE ON SOIL EROSION

Read the extract about factors that contribute to soil erosion and answer the questions that follow.

##### HUMAN CONTRIBUTION TO EROSION

Aside from desertification, there is no doubt that human activities are major cause of soil erosion in general. Construction of road and building, logging, mining and agricultural production have resulted in large amount of soil erosion in the US and around the world. When soil erodes, it is usually the top soil that erodes first, which means that the potential of the eroded area to produce food or forage is generally reduced. In addition, the eroded soil may be deposited in rivers or lakes. The cost of removing the deposits may be considerable, and if the eroded soil was contaminated in any way the deposited soil may spread the contamination over a wider area.

Agricultural production, including forage production involves removing vegetation from the soil. Ploughing, cultivating, mowing and grazing are examples of how vegetation is removed in forage production. The extent of soil erosion depends to great degree on how the removal of vegetation is handled. Leaving the soil surface with little or no vegetation provides a prime opportunity for soil to be eroded by wind or water moving across the soil surface.

*Adapted from The National Forage and Grassland Curriculum*

- 4.1 Define the following concept
- |                    |         |
|--------------------|---------|
| A. Erosion         | 1x2 (2) |
| B. Desertification | 1x2 (2) |
- 4.2 Quote FOUR human activities from the extract above which are a major cause of soil erosion. 4x1 (4)
- 4.3 Why does deforestation (cutting down of trees) speed up soil erosion. 1x2 (2)
- 4.4 In a paragraph of not more than EIGHT lines, discuss ways in which soil erosion can be prevented on farms. 4x2 (8)

**TOTAL: 50 MARKS**



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**TERM 3 MARKING GUIDELINE**

**SEPTEMBER 2024**

**MARKS: 50**

**DURATION: 1 HR 30**

This marking guideline consist of 4 pages including the cover page.

**QUESTION 1: SURFACE FORCES THAT SHAPE THE EARTH**

1.1 D✓

1.2 E✓

1.3 A✓

1.4 B✓

1.5 H✓

1.6 G✓

1.7 C✓

7x1 (7)

**QUESTION 2: FEATURES OF EROSION AND DEPOSITION ALONG A RIVER VALLEY.**

2.1 A✓

2.2 C✓

2.3 A✓

2.4 B✓

2.5 A✓

2.6 B✓

2.7 B✓

2.8 D✓

8x1 (8)

**QUESTION 3: THE IMPACT OF HUMAN ACTIVITIES ON WEATHERING**

3.1 The wearing away of rocks and soil by the action of weather.✓

3.2 Deforestation,✓ Agriculture✓, Construction✓ ANY 2x2 (4)

3.3 Animal burrowing into the soil✓✓

Plants roots growing into cracks in rocks✓✓

Micro-organism breaking down organic materials.✓✓ ANY 2x2 (4)

3.4 Chemical weathering from fertilization✓✓

Physical weathering from machinery✓

3.5 Chemical weathering from fertilizer can lead to soil acidification and nutrients leaching, harming plants growth. ✓✓

Physical weathering from machinery can compact the soil, reducing its ability to retain water and support plants roots. ✓✓

#### QUESTION 4: THE IMPACT OF PEOPLE ON SOIL EROSION

4.1

A. The removal of rocks and soil particles from one place to another. ✓✓ (2)

B. The process of degradation of land. ✓✓ (2)

4.2 Construction of roads and buildings ✓

Logging ✓

Mining ✓

Agricultural production. ✓ 4x1 (4)

4.3 It provides an opportunity for soil to be eroded by wind or water. ✓✓ (2)

4.4 Plant vegetation to protect from water and wind erosion. Add mulch to avoid soil from being washed away. Building retaining walls at the base of a slope.

Use drip irrigation so that more water will infiltrate than running off. Contour

Ploughing and terracing reduces soil loss from surface erosion.

Creation of wind breaks to avoid wind blowing away soil. Avoid overgrazing.

Allow indigenous plant to grow along river banks. Make sure that there is always grass in the soil. ANY 4X2 (8)

**RUBRIC FOR ASSESSING PARAGRAPH (QUESTION 2.4)**

<b>LEVEL</b>	<b>DISCRIPTION</b>	<b>MARKS</b>
Level 1	<ul style="list-style-type: none"><li>• Uses evidence in an elementary manner.</li><li>• Shows little or no understanding</li></ul>	0 – 2
Level 2	<ul style="list-style-type: none"><li>• Evidence is mostly relevant and relates to a great extent to the topic.</li><li>• Uses evidence in a very basic manner</li></ul>	3 – 5
Level 3	<ul style="list-style-type: none"><li>• Uses relevant evidence.</li><li>• Demonstrates a thorough understanding of the topic.</li><li>• Uses evidence very effectively in an organised paragraph that shows an understanding of the topic.</li></ul>	6 – 8

**TOTAL: 50 MARKS**

